

WEST Search History for Application 10538110

Creation Date: 2009011520:49

| Query | DB | Op. | Plur. | Thes. | Date |
|---|------|-----|-------|-------|------------|
| ((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) | USPT | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw)))) and ((bandwidth or band width or passband width) same (thickness\$4 or height) same (electrode or conduct\$6 or metal\$10))) | USPT | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) and ((bandwidth or band width or passband width) same (thickness\$4 or height) same (electrode or conduct\$6 or metal\$10))) | JPAB | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) and ((bandwidth or band width or passband width) and (thickness\$4 or height) and (electrode or conduct\$6 or metal\$10))) | JPAB | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) and ((bandwidth or band width or passband width) and (thickness\$4 or height) and (electrode or conduct\$6 or metal\$10))) | EPAB | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) and ((bandwidth or band width or passband width) and (thickness\$4 or height) and (electrode or conduct\$6 or metal\$10))) | DWPI | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) and ((bandwidth or band width or passband width) and (thickness\$4 or height) and (electrode or conduct\$6 or metal\$10))) | PGPB | ADJ | YES | | 01-15-2009 |
| ((((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) same ((bandwidth or band width or passband width) same (thickness\$4 or height) same (electrode or conduct\$6 or metal\$10))) | PGPB | ADJ | YES | | 01-15-2009 |

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|--|------|-----|-----|--|------------|
| (((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) ,clm. and (bandwidth or band width or passband width),clm. | PGPB | ADJ | YES | | 01-15-2009 |
| (((piezoelectric resonator or film bulk acoustic or fbar or sbar or thin film resonator or tfr or bulk acoustic wave resonator or bulk acoustic resonator or baw))) ,clm. and (bandwidth or band width or passband width),clm.) and (electrode or metal\$10 or conduct\$8),clm. and (height or thickness\$4),clm. | PGPB | ADJ | YES | | 01-15-2009 |